

Speedometer Malfunction

WIRING DIAGRAM



ME

HINT:

When using the intelligent tester, start from *1. When not using the intelligent tester, start from *2.

1 READ VALUE OF INTELLIGENT TESTER (VEHICLE SPEED SIGNAL)*1

- (a) Check the DATA LIST for proper functioning of the vehicle speed signal.

Skid control ECU with actuator

Item	Measurement Item / Range (Display)	Normal Condition	Diagnostic Note
VEHICLE SPD	Wheel speed sensor (FR) reading / Min.: 0 km/h (0 mph), Max.: 326 km/h (202 mph)	Actual vehicle speed	Speed indicator on speedometer

OK:

Vehicle speed display on the tester is almost the same as the actual vehicle speed.

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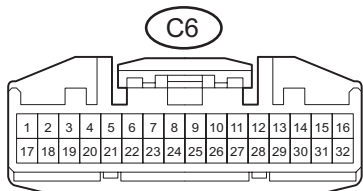
GO TO VEHICLE STABILITY CONTROL SYSTEM

OK

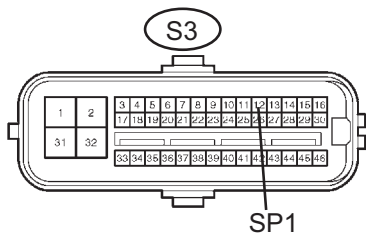
2 CHECK (COMBINATION METER - SKID CONTROL ECU WITH ACTUATOR)*2

Wire Harness Side

Combination Meter Assembly



Skid Control ECU with Actuator



E114408E01

- (a) Disconnect the C6 meter connector.
- (b) Disconnect the S3 ECU connector.
- (c) Measure the resistance of the wire harness side connectors.

Standard resistance

Tester Connection	Specified Condition
C6-28 - S3-12 (SP1)	Below 1 Ω
C6-28 - Body ground	10 kΩ or higher

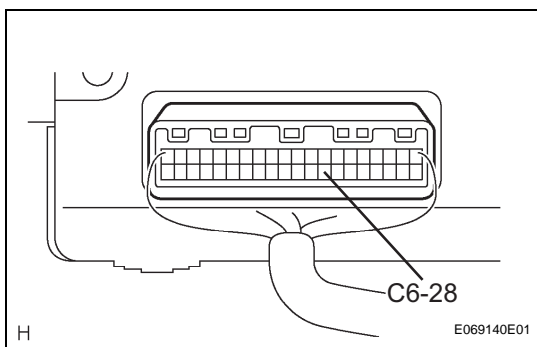
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REPAIR OR REPLACE HARNESS AND CONNECTOR

ME

OK

3 CHECK COMBINATION METER ASSEMBLY



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E069140E01

- (a) Measure the voltage of the connector.
- Standard voltage**

Tester Connection	Condition	Specified Condition
C6-28 - Body ground	Ignition switch ON	10 to 14 V
	Ignition switch OFF	Below 1 V

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REPLACE COMBINATION METER ASSEMBLY

OK

REPLACE BRAKE ACTUATOR ASSEMBLY